

# Spectrophotometric assays in the control of oral anticoagulant therapy

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# SPECTROPHOTOMETRIC ASSAYS IN THE CONTROL OF ORAL ANTICOAGULANT THERAPY.

M.P. van Dieijen-Visser, J. van Wersch, P.J. Brombacher, J. Rosing, H.C. Hemker and G. van Dieijen. De Wever Hospital Heerlen and University of Limburg Maastricht.

Spectrophotometric methods were used to assay the clotting factors II,VII,IX and X in plasma of 33 human donors and in plasma of 98 patients receiving longterm oral anticoagulant therapy. In 33 normal subjects the inter-individual variations in the plasma activities of the clotting factors II, VII,IX and X are respectively 11%,21%,10% and 15%.

For the 98 patients receiving anticoagulant therapy Thrombotest values were compared to the activities of the vitamin K dependent factors, as assayed with spectrophotometric methods. The factors II and X were assayed with commercially available test-kits (Factor II, Boehringer Mannheim; Factor X,Kabi AB).

Chromogenic activities of the different factors were correlated among each other and with 1/Thrombotest values.

We conclude that factor II but also factor X chromogenic activity in plasma can be used to monitor patients receiving longterm anticoagulant therapy, whereas factor IX should be preferred to monitor patients receiving oral anticoagulants during a short period of time.

Para la clasificación de temas:  
(ver instrucciones)

Indique 3 palabras clave

Indicate 3 key words

Factors II,VII,IX,X

Anticoagulants

Chromogenic substrates

Indique en qué número desea incluir su comunicación

Preferred paragraph for inclusion of the communication

12 C

2

12 D

Idioma de preferencia para presentación oral

Preferred language for oral presentation

Español

Spanish

Inglés

English

X

Modo de presentación que prefiere

Preferred mode of presentation

Oral

Oral

Poster

Poster

X

No tiene preferencia

No preference

## EJEMPLO / EXAMPLE

ADHESION OF HUMAN BLOOD PLATELETS TO ARTIFICIAL SURFACES. García, P., Smith, R.\*\* and Proust, M.\*\*\*.

\* Centro Hospitalario del Mediodía, Toledo, Spain. \*\* American Red Cross Hospital, Boston, USA. \*\*\* Hôpital St. Antoine, Lyon, France.

The interaction of suspensions of washed human blood platelets with three artificial surfaces: Glass, polystyrene, and polyvinyl chloride has been studied "in vitro". Platelet adhesion and release from adherent platelets...

Para la correspondencia relacionada con este resumen, indique:

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MPV

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Dr. E. Tejedor, Centro de Investigación Ciudad Sanitaria  
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